

Linzer biol. Beitr.	40/1	961-967	10.7.2008
---------------------	------	---------	-----------

Distributional checklist of the species of genus *Omophlus* (Insecta: Coleoptera; Alleculidae; Omophilinae) of Turkey

E. YILDIRIM & E. KILIÇ

A b s t r a c t : A distributional checklist of all the species in the genus *Omophlus* (Coleoptera; Alleculidae) recorded from Turkey is presented. A total of 41 species and subspecies belonging to four subgenera (*Odontomophlus*, *Omoplus*, *Paromophlus*, *Paurodontomophlus*) are recognized to have been recorded from Turkey.

K e y w o r d s : Coleoptera, Alleculidae, Omophilinae *Omophlus*, checklist, distribution, Turkey.

Introduction

Turkey is one of the most interesting countries from the view points of genus *Omophlus* taxonomy and biogeography, not only because *Omophlus* distributed there comprise all four subgenera (*Odontomophlus*, *Omoplus*, *Paromophlus*, *Paurodontomophlus*) occurring in the Palaearctic region, but also because the Turkish *Omophlus* fauna includes Middle-Asian, Caucasus and European species. Although many faunistic and taxonomic studies on the Turkish species of the *Omophlus* have been conducted, no attempt has been made to compile a checklist of the *Omophlus* species distributed in Turkey. Such a checklist many greatly aid entomologists to carry out further studies on taxonomy, biogeography and phylogeny of the Turkish as well as Palearctic *Omophlus*.

The present checklist includes all the species names of the *Omophlus* so far recorded from Turkey; 41 species and subspecies belonging to four subgenera.

List of species

Subgenus *O d o n t o m o p h l u s* SEIDLITZ 1896

Odontomophlus SEIDLITZ 1896 - Naturg. Ins. Deutschl. V, 2: 240.

***Omophlus anatolicus* REITTER 1906**

Omophlus anatolicus REITTER 1906 - Verh. Nat. Ver. Brünn XLV: 155, Karakeny.

D i s t r i b u t i o n : Turkey.

***Omophlus baudueri* BAUDI 1877**

Omophlus baudueri BAUDI 1877 - Deutsch. Ent. Zeitschr. **XXI**: 401.

Omophlus baudueri: OGLOBLIN & ZNOJKO 1950: 90 (distr.: Amasya, Ankara).

D i s t r i b u t i o n : Turkey, Syria.

***Omophlus bodemeyeri* REITTER 1906**

Omophlus bodemeyeri REITTER 1906 - Verh. Nat. Ver. Brünn XLV: 154, Bulghar Maaden (=Bulga-Maden) (Elaziğ), Burna, Karakeny, Seyhan (Adana).

D i s t r i b u t i o n : Turkey.

***Omophlus falsarius* KIRSCH 1869**

Omophlus falsarius KIRSCH 1869 - Berl. Ent. Zeitschr **13**: 100, 109.

Omophlus falsarius: OGLOBLIN & ZNOJKO 1950: 98 (distr.: Antalya (Avsallar, Korkuteli), Amasya).

D i s t r i b u t i o n : Russia, Armenia, Turkey.

***Omophlus flavipennis* KÜSTER 1850**

Omophlus flavipennis KÜSTER 1850 - Käfer Europas **19**: 57.

Omophlus flavipennis: BODENHEIMER 1941: Turkey (no locality); OGLOBLIN & ZNOJKO 1950: 99, (distr.: Erzurum); ÖZBEK 1979: 254, (distr.: Erzurum); KILIÇ & YILDIRIM 1999: 196, (distr.: Erzurum).

D i s t r i b u t i o n : Europe, Russia, Caucasus, Turkey, Syria.

***Omophlus forficula* SEIDLITZ 1896**

Omophlus forficula SEIDLITZ 1896 - Naturg. Ins. Deutschl. V, **2**: 242, 263.

Omophlus forficula: OGLOBLIN & ZNOJKO 1950: 90 (distr.: Amasya).

D i s t r i b u t i o n : Arabia, Turkey.

***Omophlus foveicollis* FAIRMAIRE 1892**

Omophlus foveicollis FAIRMAIRE 1892 - Ann. Soc. Ent. Belg. **XXXVI**: 153.

Omophlus foveicollis: MUCHE 1964: 603 (distr.: Akbes [Gaziantep]).

D i s t r i b u t i o n : Turkey.

***Omophlus furcula* SEIDLITZ 1896**

Omophlus furcula SEIDLITZ 1896 - Nat. Ins. Deutschl. **2**: 245, 264.

Omophlus furcula: OGLOBLIN & ZNOJKO 1950: 90 (distr.: Amasya); MUCHE 1964: 602 (distr.: Amasya).

D i s t r i b u t i o n : Europe, Turkey.

***Omophlus hirsutus* SEIDLITZ 1896**

Omophlus hirsutus SEIDLITZ 1896 - Nat. Ins. Deutschl. **2**: 251, 264.

Omophlus hirsutus: MUCHE 1964: 609 (distr.: Gaziantep [=Aintab]).

D i s t r i b u t i o n : Turkey.

***Omophlus laciniatus* SEIDLITZ 1896**

Omophlus laciniatus SEIDLITZ 1896 - Nat. Ins. Deutschl. **2**: 244, 263.

Omophlus laciniatus: MUCHE 1964 (distr.: Turkey [no locality]).

D i s t r i b u t i o n : Turkey, Iran, Syria, Kirghizistan, Russia.

***Omophlus latipleuris* REITTER 1890**

Omophlus latipleuris REITTER 1890 - Deutsch. Ent. Zeitschr. **1890**: 47.

Omophlus latipleuris: OGLOBLIN & ZNOJKO 1950: 92 (distr.: Erzurum); KILIÇ & YILDIRIM 1999: 197 (distr.: Erzurum).

D i s t r i b u t i o n : Turkey, Russia, Armenia, Turkmenistan.

***Omophlus longiplerius* ZNOJKO 1950**

Omophlus longiplerius ZNOJKO 1950 - Nov. Serie No: 44, Tom. **18** (8): 89, Northeastern Anatolia (no locality).

D i s t r i b u t i o n : Turkey.

***Omophlus medius* MUCHE 1964**

Omophlus medius MUCHE 1964 - Ent. Abh. Staatl. Mus. Tierk. Dresden **29** (11): 591, Anatolien, Ereğli-Ayrancı (Konya).

D i s t r i b u t i o n : Turkey.

***Omophlus nadayi* MUCHE 1965**

Omophlus nadayi MUCHE 1965 - Ent. Blätter **61**: 85-86, Seraj- Köj.

D i s t r i b u t i o n : Turkey.

***Omophlus ochraceipennis* FALD 1837**

Omophlus ochraceipennis FALD 1837 - Fn. Transc. **2**: 100.

Omophlus ochraceipennis: OGLOBLIN & ZNOJKO 1950: 90 (distr.: Turkey [no locality]); MUCHE 1964: 598 (distr.: Turkey [no locality]); KILIÇ & YILDIRIM 1999: 197 (distr.: Erzurum).

D i s t r i b u t i o n : Turkey, Iran, Caucasus.

***Omophlus pilosellus* KIRSCH 1869**

Omophlus pilosellus KIRSCH 1869 - Berl. Ent. Zeitschr **13**: 120.

Omophlus pilosellus: OGLOBLIN & ZNOJKO 1950: 96 (distr.: Amasya, Tokat); MUCHE 1964: 602 (distr.: Tokat).

D i s t r i b u t i o n : Turkey, Italy, Greece, Dalmatian.

***Omophlus sandneri* REITTER 1906**

Omophlus sandneri REITTER 1906 - Verh. Nat. Ver. Brünn, **XLV**: 157, Gaziantep, Bulga- Maden (Elazığ).

Omophlus sandneri: OGLOBLIN & ZNOJKO 1950: 98 (distr.: Mardin).

D i s t r i b u t i o n : Turkey, Syria.

***Omophlus silifkeensis* MUCHE 1964**

Omophlus silifkeensis MUCHE 1964 - Ent. Abh. Staatl. Mus. Tierk. Dresden **29** (11): 593, 600, Anatolien, Silifke (İçel).

D i s t r i b u t i o n : Turkey.

***Omophlus syriacus* MULSTANT 1856**

Omophlus syriacus MULSTANT 1856 - Opusc. **VII**: 57.

Omophlus syriacus: MUCHE 1964: 608 (distr.: Turkey [no locality]).

D i s t r i b u t i o n : Turkey.

***Omophlus tumidipes* KIRSCH 1869**

Omophlus tumidipes KIRSCH 1869 - Berl. Ent. Zeitschr. **13**: 47.

Omophlus tumidipes: MUCHE 1964 (distr.: Turkey [no locality]); OGLOBLIN & ZNOJKO 1950: 93 (distr.: Turkey [no locality]); KILIÇ & YILDIRIM 1999: 198 (distr.: Erzurum).

D i s t r i b u t i o n : Turkey, Armenia.

***Omophlus turcicus* KIRSCH 1869**

Omophlus turcicus KIRSCH 1869 - Berl. Ent. Zeitschr. **13**: 101, 107, European part of Turkey (=Thrace).

D i s t r i b u t i o n : Turkey.

Subgenus: ***O m o p h l u s* SOLIER 1835**

Omophlus SOLIER 1835 - Ann. Soc. Ent. Fr. **IV**: 246.

***Omophlus caspius* ZNOJKO 1950**

Omophlus caspius ZNOJKO 1950 - Nov. Serie No 44, Tom. **18** (8): 105.

Omophlus caspius: KILIÇ & YILDIRIM 1999: 194 (distr.: Erzurum).

D i s t r i b u t i o n : Turkey, Azerbaijan.

***Omophlus caucasicus* KIRSCH 1869**

Omophlus caucasicus KIRSCH 1869 - Berl. Ent. Zeitschr. **13**: 102, 123.

Omophlus caucasicus: BODENHEIMER 1941: (distr.: Turkey [no locality]); OGLOBLIN & ZNOJKO 1950: 93 (distr.: Turkey [no locality]); NIZAMLIOĞLU 1964: 146 (distr.:Eskişehir); ÖZBEK 1979: 251-255 (distr.: Erzurum); KILIÇ & YILDIRIM 1999: 198 (distr.: Erzurum).

D i s t r i b u t i o n : Caucasus, Armenia, Iran, Turkey.

***Omophlus dilatatus* FALDERMAN 1837**

Omophlus dilatatus FALDERMAN 1837 - Fauna ent. Transcauc. **II**: 99.

Omophlus dilatatus: BODENHEIMER 1941: (distr.: Turkey [no locality]); OGLOBLIN & ZNOJKO 1950: 108 (distr.: Amasya, Ankara); MUCHE 1964: 614 (distr.: Amasya, Ankara).

D i s t r i b u t i o n : Turkey, Caucasus, Iran.

***Omophlus hirtipennis* SEIDLITZ 1896**

Omophlus hirtipennis SEIDLITZ 1896 - Nat. Ins. Deutschl. **2**: 259, 265.

Omophlus hirtipennis: MUCHE 1964: 617 (distr.: Cilic, Taurus, Akbes [Gaziantep]).

D i s t r i b u t i o n : Turkey, Syria.

***Omophlus irrasus* SEIDLITZ 1896**

Omophlus irrasus SEIDLITZ 1896 - Nat. Ins. Deutschl. **2**: 260, 265.

Omophlus irrasus: MUCHE 1964: 622 (distr.: Gaziantep, Mardin).

D i s t r i b u t i o n : Turkey, Syria.

***Omophlus leviagatus* SEIDLITZ 1896**

Omophlus leviagatus SEIDLITZ 1896 - Nat. Ins. Deutschl. **2**: 257, 265.

Omophlus leviagatus: OGLOBLIN & ZNOJKO 1950: 119 (distr: Turkey [no locality]); MUCHE 1964: 612 (distr: Turkey [no locality]).

D i s t r i b u t i o n : Turkey, Iran, Armenia, Syria.

***Omophlus lepidus* REITTER 1906**

Omophlus lepidus REITTER 1906 - Verh. Nat. Ver. Brünn, XLV: 166, Amasia (=Amasya).

D i s t r i b u t i o n : Turkey.

***Omophlus nasrettini* REITTER 1890**

Omophlus nasrettini REITTER 1890 - Deut. Ent. Zeitschr. **1890**: 51, Mardin, Gaziantep (=Aintab).

D i s t r i b u t i o n : Turkey, Iran, Syria.

***Omophlus nigripes* KÜSTNER 1850**

Omophlus nigripes KÜSTNER 1850 - Käfer Europas **20**: 65, Turkey [no locality]).

D i s t r i b u t i o n : Turkey.

***Omophlus nigropilosellus* MUCHE 1964**

Omophlus nigropilosellus MUCHE 1964 - Reichenbachia **4**: 239-240, Van.

D i s t r i b u t i o n : Turkey.

***Omophlus pilicollis* var. *filitarsis* REITTER 1890**

Omophlus pilicollis var. *filitarsis* REITTER 1890 - Deutsche Ent. Zeitschr. **1890**: 45, Erzurum.

D i s t r i b u t i o n : Turkey, Iran, Kazakhstan.

***Omophlus orestias* MUCHE 1964**

Omophlus orestias MUCHE 1964 - Ent. Abh. Staatl. Mus. Tierk. Dresden **29** (11): 596, 616, Anatolien, Gavur dagliari (= Nur Dağları, Osmaniye).

D i s t r i b u t i o n : Turkey.

***Omophlus proteus proteus* KIRSCH 1869**

Omophlus proteus proteus KIRSCH 1869 - Berl. Ent. Zeitschr. **13**: 102, 123, Turkey (no locality).

D i s t r i b u t i o n : Turkey, Russia, Caucasus, Crime, Europe, Austria, Hungaria.

***Omophlus proteus* var. *prometheus* REITTER 1906**

Omophlus proteus var. *prometheus* REITTER 1906 - Verh. Nat. Ver. Brünn **XLV**: 160, Turkey (no locality).

D i s t r i b u t i o n : Turkey, Syria.

***Omophlus proteus megista* MUCHE 1964**

Omophlus proteus megista MUCHE 1964 - Ent. Abh. Staatl. Mus. Tierk. Dresden **29** (11): 614, Südanatolien, Gülek Bogasi (=İçel, Tarsus, Gülek Boğazı).

D i s t r i b u t i o n : Turkey.

***Omophlus reitteri* KOENIG 1906**

Omophlus reitteri KOENIG 1906 - Wien Ent. Ztg. **27**: 25-26, Oltu- Kars (between Erzurum (Oltu) to Kars).

D i s t r i b u t i o n : Turkey.

***Omophlus subcostatus* REITTER 1908**

Omophlus subcostatus REITTER 1908 - Wien Ent. Ztg. **27**: 56, Tokat.

D i s t r i b u t i o n : Turkey.

Subgenus *Paromophlus* ZNOJKO 1950

Paromophlus ZNOJKO 1950 - Nov.Serie No. 44, **18** (8): 125.

***Omophlus curtus* KÜSTER 1850**

Omophlus curtus KÜSTER 1850 - Käfer Europas **20**: 60.

Omophlus curtus: OGLOBLIN & ZNOJKO 1950: 127, Kars.

D i s t r i b u t i o n : Turkey, Greece.

***Omophlus curtulus* KIRSCH 1878**

Omophlus curtulus KIRSCH 1878 - Verh. Nat. Ver. Brünn **XVI**: 246, Ankara.

D i s t r i b u t i o n : Turkey, Caucasus.

Subgenus *Paurodontomophlus* MUCHE 1979

Paurodontomophlus MUCHE 1979 - Reichenbauchia Staat. Mus. Fur. Tierk. in Dresden **17** (20): 171.

***Omophlus wittmeri* MUCHE 1979**

Omophlus wittmeri MUCHE 1979 - Reichenbauchia Staat. Mus. Fur. Tierk. in Dresden **17** (20): 171, Turkey (no locality).

D i s t r i b u t i o n : Turkey.

Zusammenfassung

Eine Artenliste aller bisher in der Türkei nachgewiesenen *Omophlus*-Arten (Coleoptera; Alleculidae) wird vorgestellt. Aus den Untergattungen *Odontomophlus*, *Omoplus*, *Paromophlus*, *Paurodontomophlus* konnten aus dem Untersuchungsgebiet insgesamt 41 Arten bzw. Unterarten registriert werden.

References

- BODENHEIMER F.S. (1941): Türkiye'de Ziraate ve Ağaçlara Zararlı Olan Böcekler ve Bunlarla Savaş Hakkında Bir Etüt. — Bayur Matbaası Ankara, 347pp.
- KIRSCH T. (1869): Beitrag zur Kenntnis der Gattung *Omophlus*. — Berliner Ent. Zeitschr. **13**: 97-128.
- KILIÇ E. & E. YILDIRIM (1999): The species of *Omophlus* SOLIER, 1835 (Coleoptera: Alleculidae; Omophlinae) were found in the vicinity of Erzurum and their importance as a potato pest. — Proceedings of the Second Turkish National Congress of Potato, 28-30 June 1999, Erzurum: 191-201.
- MUCHE W.H. (1964): Revision des Genus *Omophlus* SOL. (Coleoptera: Alleculidae, Omophlinae). — Ent. Abh. Staatl. Mus. Tierk. Dresden **29** (11): 591-626.
- MUCHE W.H. (1965): Neue *Omophlus* des Naturhistorischen Museums Budapest. — Ent. Blätter **61** (2): 85-99.
- MUCHE W.H. (1979): Zwei neue *Omophlus*-Arten aus dem Naturhistorischen Museum Basel (Coleoptera: Alleculidae). — Reichenbachia Staat. Mus. für. Tierk in Dresden **17** (20): 171-174.
- NIZAMOĞLU K. (1964): Türkiye ziraatına zararlı olan böcekler ve mücadelesi. Fas., 10, Forma 2, Meyve ağacı zararlıları. — Koruma Tarım İlaçları A.Ş. Neşriyatı, No. 5, İstanbul: 146-147.
- OGLOBLIN D.A. & D.V. ZNOJKO (1950): Alleculidae, part 2. — In: Fauna USSR, Coleoptera. Zhestkokriliye, Moscow and Leningrad, Akademia Nauk SSSR. **18** (8): 1-134.
- ÖZBEK H. (1979): *Omophlus caucasicus* KIRSCH. (Coleoptera: Alleculidae) Pasinler ve Erzurum ovalarında yeni bir patates zararlısı. — Türk. Bit. Kor. Derg. **3** (4): 251-255.
- REITTER E. (1906): Übersicht der Coleopteren-Unterfamilie Omophlini der Alleculidae aus Europa und den angrenzenden Ländern, Bestimmungstabelle. — Verh. Nat. Ver. Brünn **XLIV**: 118-131.
- REITTER E. (1908): Zwei neue Coleopteren aus Adana in Kleinasien. — Wiener Entomologische Zeitung **27**: 133-136.
- SEIDLITZ G. (1896): Tenebrionidae, Alleculidae bis Pythidae. — In: ERICHSON W.F. et al. 1893-1898, Naturgeschichte der Insecten Deutschlands. Coleoptera **5** (1): 201-877.

Author's addresses:

Prof. Dr. Erol YILDIRIM
Atatürk University, Faculty of Agriculture
Department of Plant Protection
TR-25240, Erzurum, Turkey
E-mail: eyildi@atauni.edu.tr; yildirimerol@hotmail.com

Dr. Engin KILIÇ
East Anatolia Agricultural Research Institute
TR-25240, Erzurum, Turkey
E-mail: eruzurumlue@hotmail.com